



**COMMUNITY DEVELOPMENT DIVISION
FREDERICK COUNTY, MARYLAND**

Department of Permits and Inspections

30 North Market Street • Frederick, Maryland 21701

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TTY: Use Maryland Relay Service

Minimum Expectations for Residential Electrical Inspections

Reference: 2008 National Electrical Code

It is important that the work is ready for inspection, ideally *before* you schedule the inspection, and that the work has been done in accordance with the code. This document is intended as a guiding document and may not be all inclusive. Please feel free to contact the Chief Electrical Inspector, James R. (Bob) Ensor, at 240-674-1107 (mobile) with any inspection-related questions. We are here to help and guide in an impartial manner to maintain the integrity of your installation, including the safety and welfare of the general public at large.

Rough in: Defined as areas above grade that will involve the concealment of any wiring within wall/ceiling cavity subject to a permanent wall finish/covering. All wiring types selected on the permit application (i.e., low voltage-phone, TV, data, etc.) will be installed and in place when the Inspector arrives. All device boxes worked up, including the connection of ALL grounding conductors within boxes; neutral splices at switch boxes and all wires coiled back into the boxes to protect from drywall router damage. Please note – If utilizing copper crimp sleeves, it is imperative that an approved tool is utilized. Improper crimps will be rejected and will be required to be removed and redone.

Underground/Trench: Defined as areas that are buried within the earth/dirt. Typical installations are from one structure to another in most cases, or to a fixed object such as a swimming pool or hot tub.

Slab: Defined as areas that are buried/concealed within the envelope of a structure and within concrete paving.

For either Underground/Trench or Slab inspection approval, it is expected that pipe (with or without wire installed) or direct buried cable will be installed and in place at time of inspection. Proper wiring method will be used per the scope of work. PVC pipe installed above grade shall be installed with required expansion joints if applicable.

Final: Defined as total completion/installation of ALL wiring, fixtures, switches, receptacles, wall plates, breakers, labeling of all circuits and/or circuit revisions. All required and/or relevant electrical equipment (i.e., lighting and switches, receptacles) will have been tested by the installer for proper polarity. All receptacles that require ground fault protection will have been tested for proper operating function. Any existing electrical elements on site that may present an imminent danger to occupants or any other person must be made safe or removed.

PLEASE NOTE: A separate document is available for electrical requirements for swimming pools.